

## Anti-TLR6 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Pig, Horse)
Molecular Weight:	Theoretical: 84 kDa.
Purification:	Protein A purified

### Applications

1. Rat splenocytes stained with Anti-TLR6/CD286 Polyclonal Antibody, PE-CY5.5 Conjugated (TMAB-13573-PE-Cy5.5) at 1: 25.
2. Paraformaldehyde-fixed, paraffin embedded (rat spleen tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TLR6) Polyclonal Antibody, Unconjugated (TMAB-13573) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.
3. Blank control: Raji (blue). Primary Antibody: Rabbit Anti-TLR6 antibody (TMAB-13573), Dilution: 0.2 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1: 200 in 1 X PBS containing 0.5% BSA.

#### Protocol

The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice. The cells were washed twice with phosphate-buffered saline (PBS). The cells were then incubated in 1 X PBS containing 0.5% BSA+1 0% goat serum (15 min) to block non-specific protein-protein interactions followed by the antibody (TMAB-13573, 0.2 µg / 1x10<sup>6</sup> cells) for 30 min on ice. The secondary antibody used was Goat Anti-rabbit IgG/PE antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

#### Verified Activity:

4. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-TLR6 Polyclonal Antibody, Unconjugated (TMAB-13573) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining
5. Blank control: HUVEC.

Primary Antibody (green line): Rabbit Anti-TLR6 antibody (TMAB-13573)

Dilution: 1 µg/Test;

Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488

Dilution: 0.5 µg/Test.

Isotype control (orange line): Normal Rabbit IgG

#### Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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Application: IHC-P,IHC-Fr,IF,FCM

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 0.2µg/Test

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human TLR6

Antigen Species: Human

Gene ID: 10333

Uniprot ID: Q9Y2C9

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### Research Background

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor functionally interacts with toll-like receptor 2 to mediate cellular response to bacterial lipoproteins. A Ser249Pro polymorphism in the extracellular domain of the encoded protein may be associated with an increased of asthma in some populations. [provided by RefSeq, Jan 2011]

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